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Order from SLA $1.60 63-14690

Trans. of Zeitschrift für Physik (West Germany) 1958, v. 150, p. 632-639.

DESCRIPTORS: *Ferromagnetism, Crystals, *Domains (Crystallography), Visibility, *Magneto-optic effect, *Zinc compounds, Sulfides, Thin films, Vapor plating.

A ZnS layer of specified thickness is vaporized on a polished ferromagnetic specimen. The magneto-optical Kerr rotation of linearly polarized monochromatic light with meridional magnetization of the specimen is increased by multiple reflections in the layer and by
(Physics--Sol.d State, TT, v. 10, no. 5) (over)

63-14690

I. Title: Weiss regions
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II. Drechsel, W.

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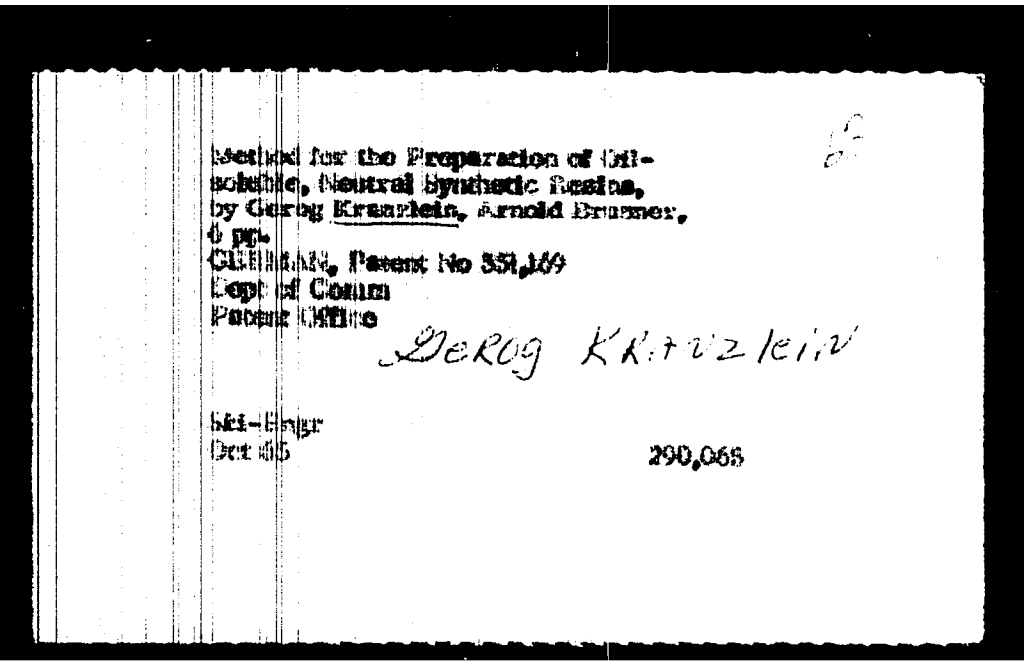

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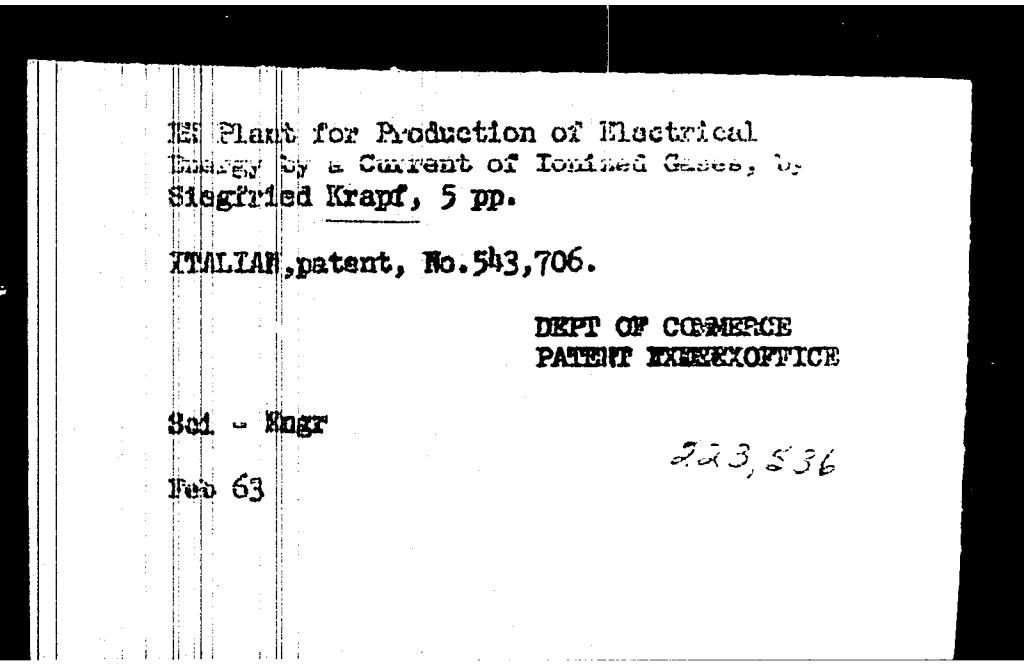

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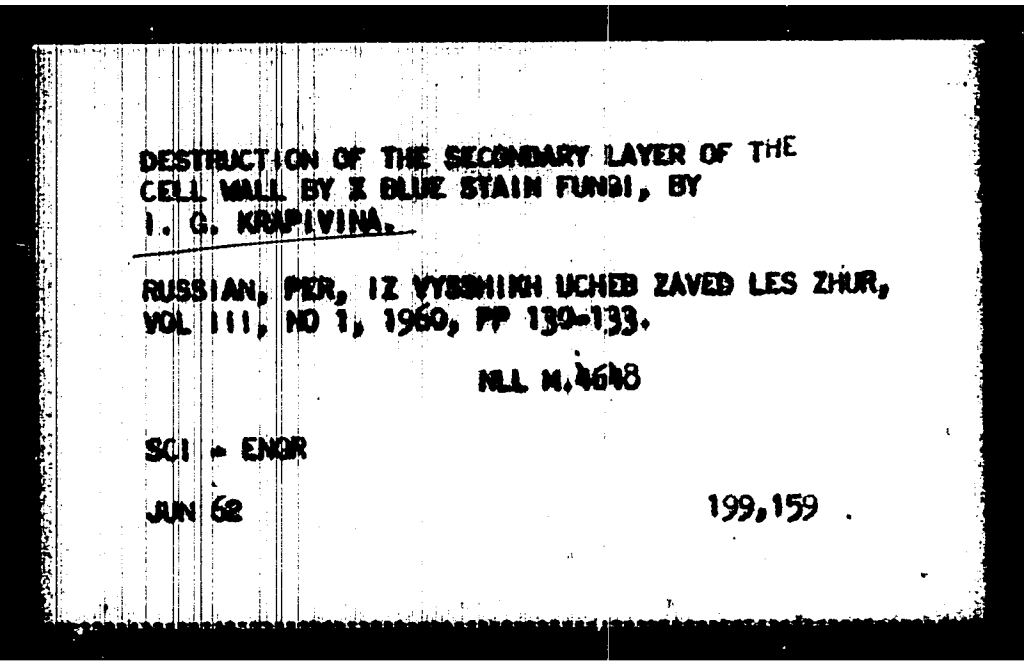
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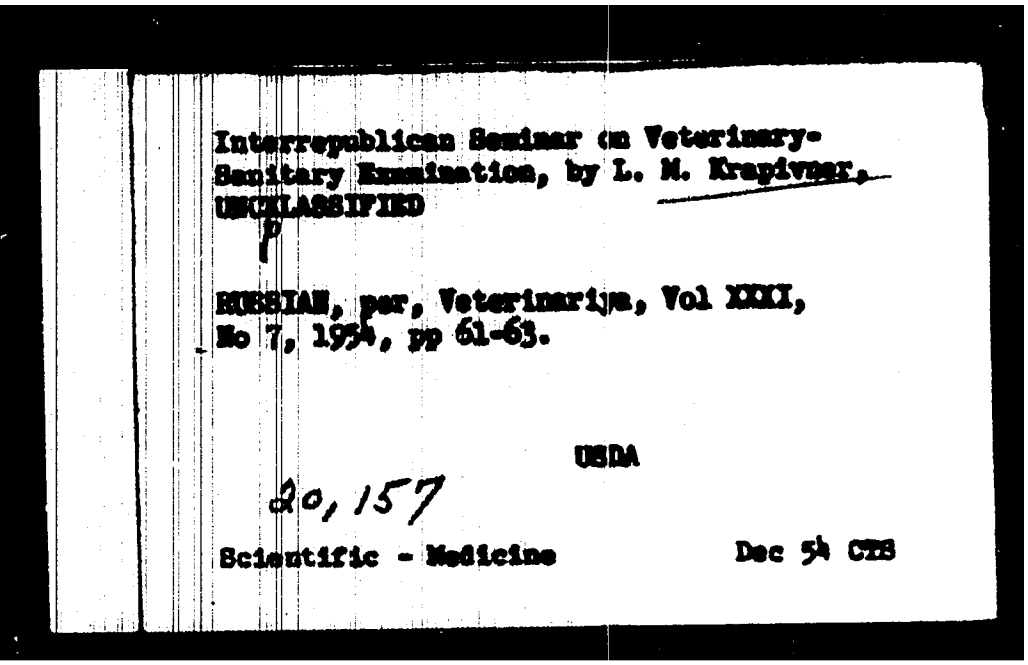

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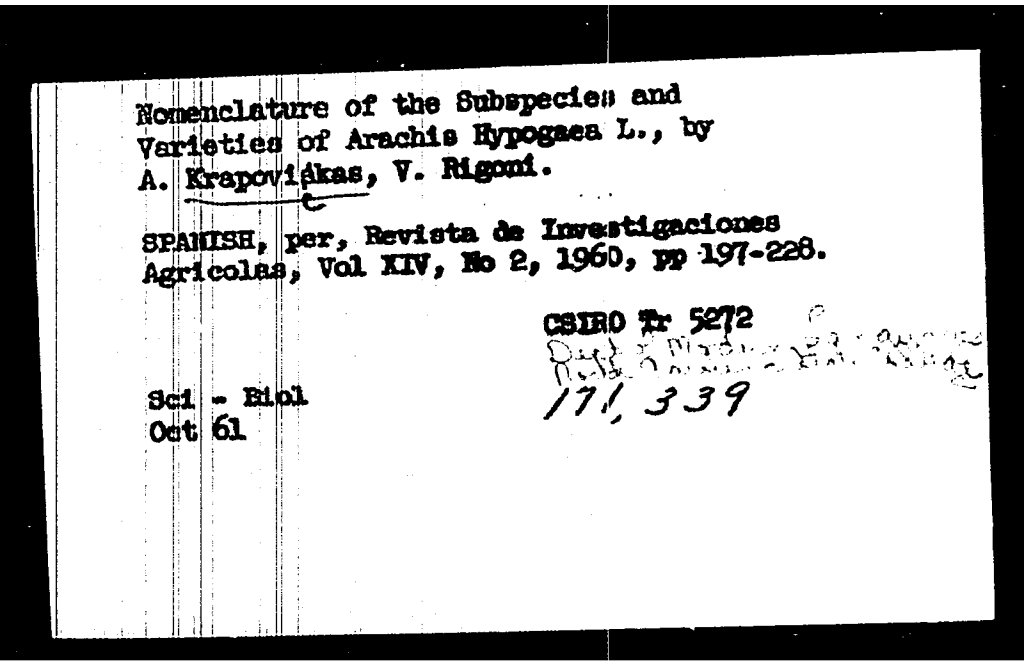

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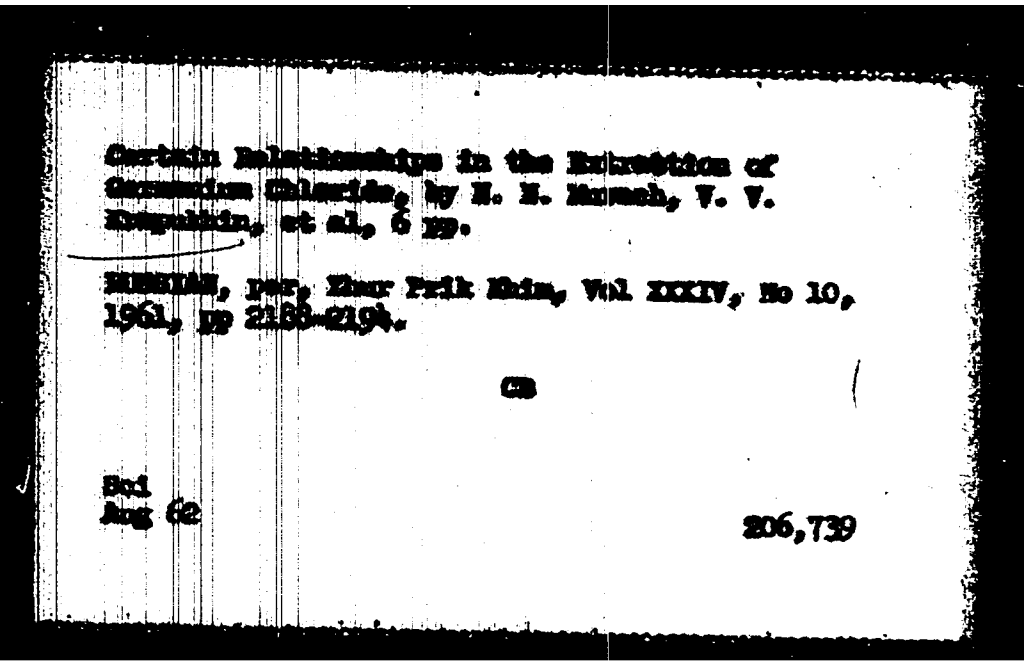

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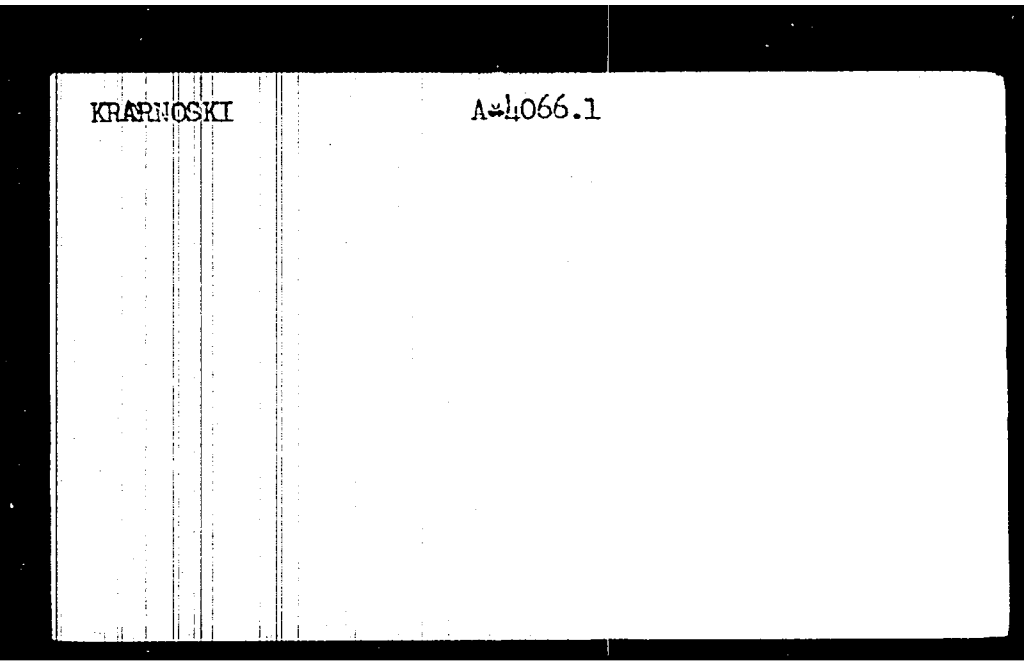

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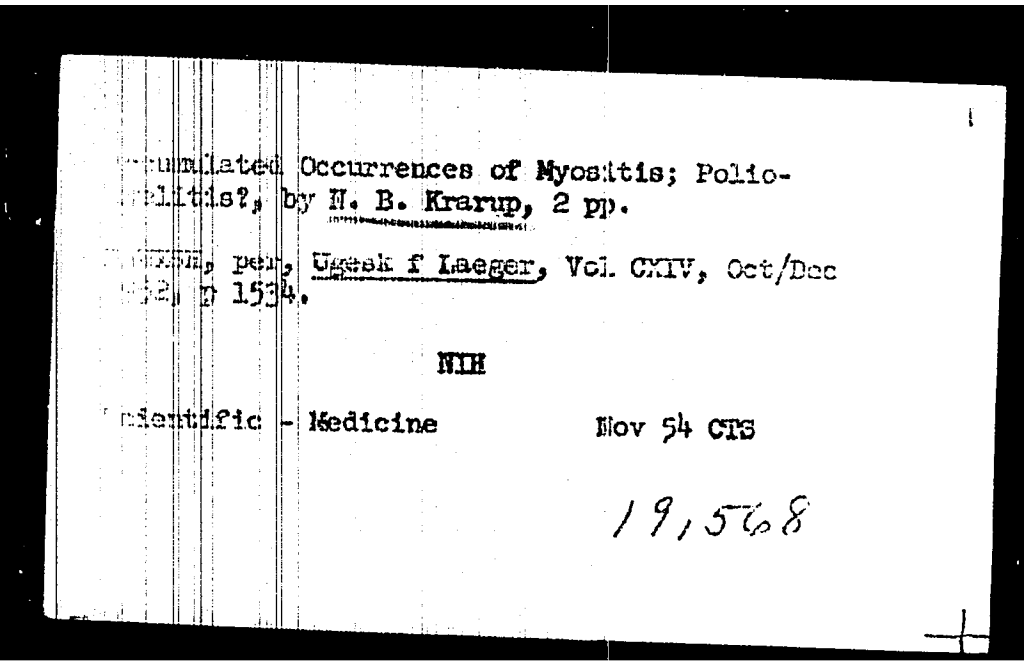

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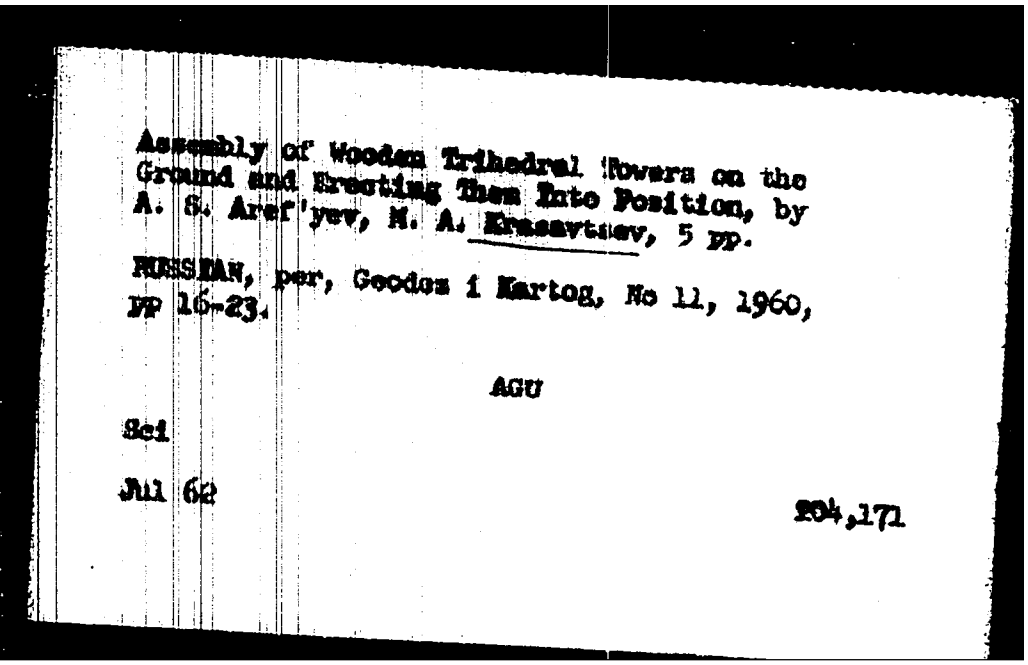

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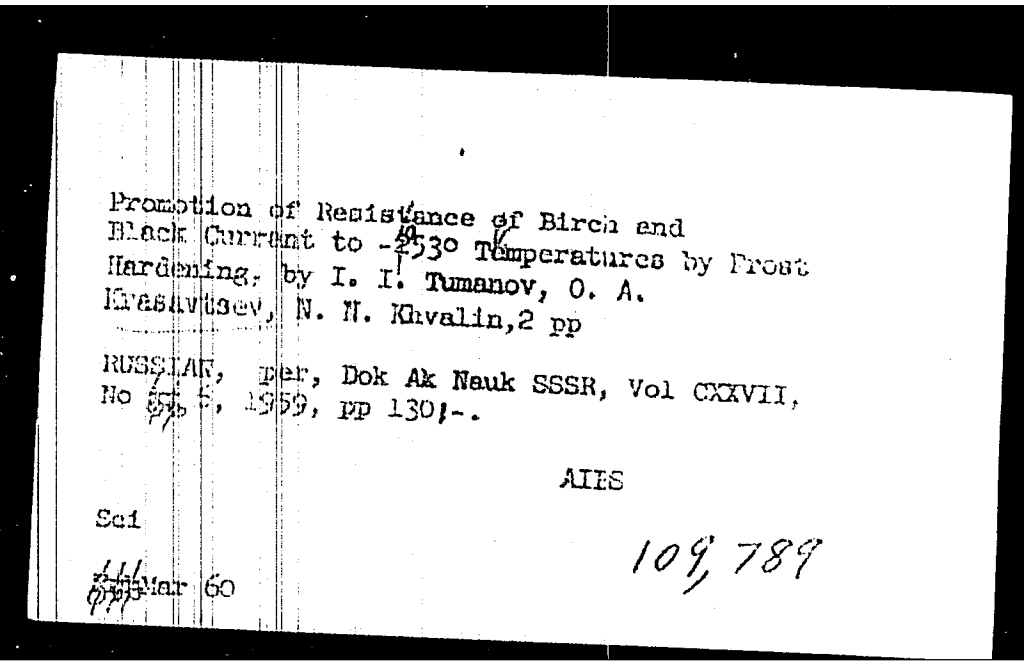

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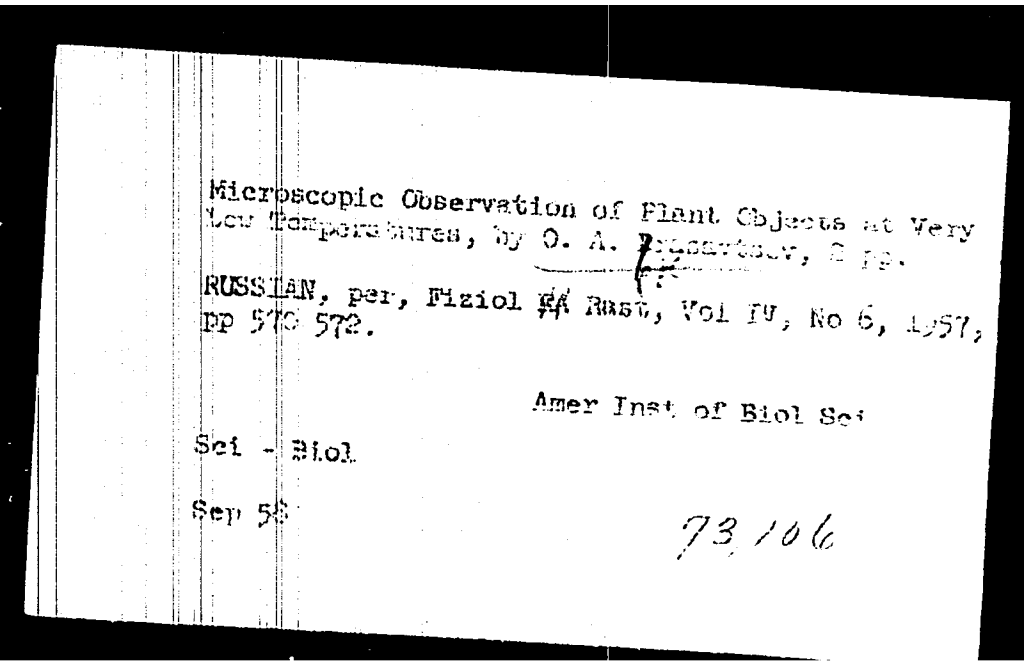

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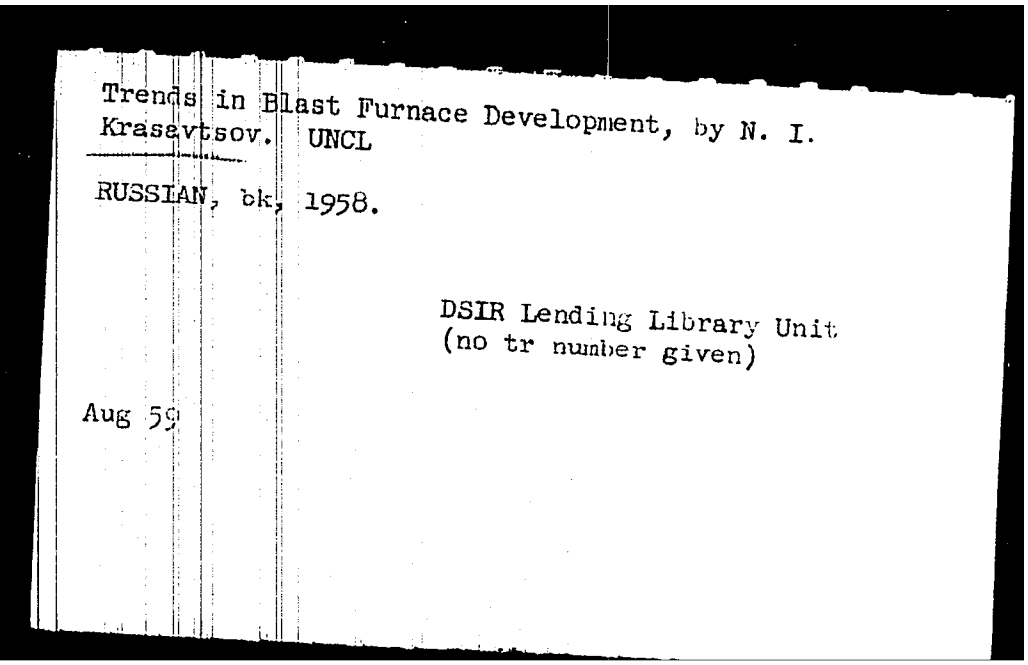

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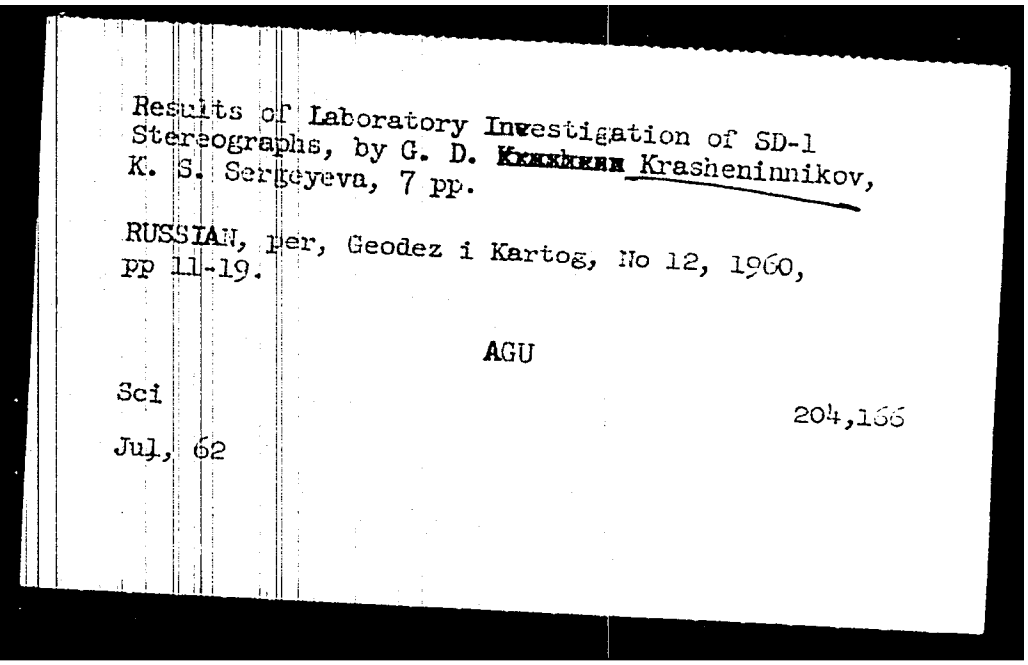

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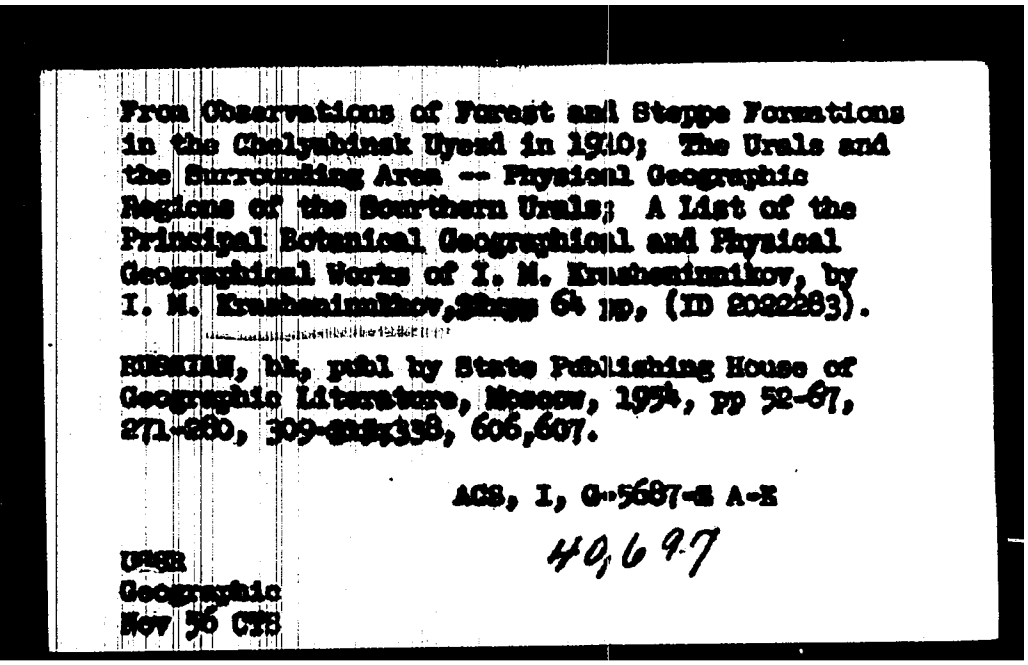

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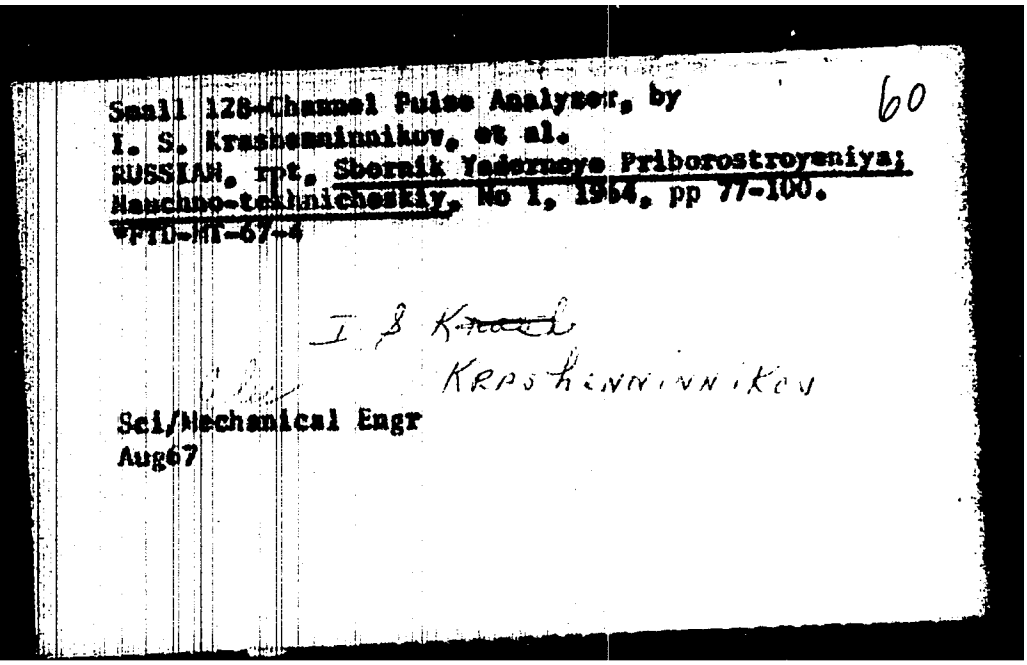

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ON THE UNSTEADY MOTION OF GAS DISPLACED BY A PISTON. [1963] 20p (figs. formulae omitted) 4refs
Order from OTS or SLA $1.60 63-20282

Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk]. Izvestiya, 1955, no. 8, p. 22-36.

DESCRIPTORS: *Gas flow, *Pistons, *Detonations, Shock waves, Equations of motion, Velocity, Reynolds number, Pressure, Mathematical analysis.

The present paper attempts the solution of the problem involved in a strong detonation, taking into account the explusion of air by the products of the detonation. The basic assumption consists in the following: the motion of the gaseous masses is given shape by the expansion of the sphere (a spherical piston), the radius of which grows in accordance with the law $Ct^{n \text{ plus } 1/(n \text{ plus } 1)}$, where C and n are constants. (Author)

63-20282

I. Krasheninnikova, N. L.

(Mechanics, TT, v. 10, no. 11)
Office of Technical Services

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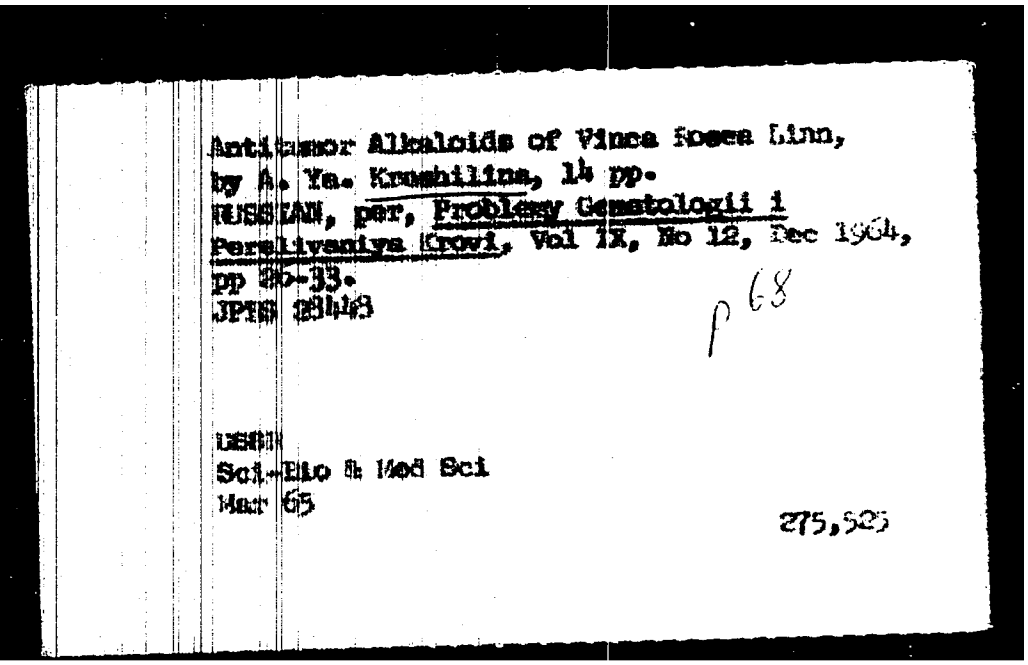

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Sci - Geophys
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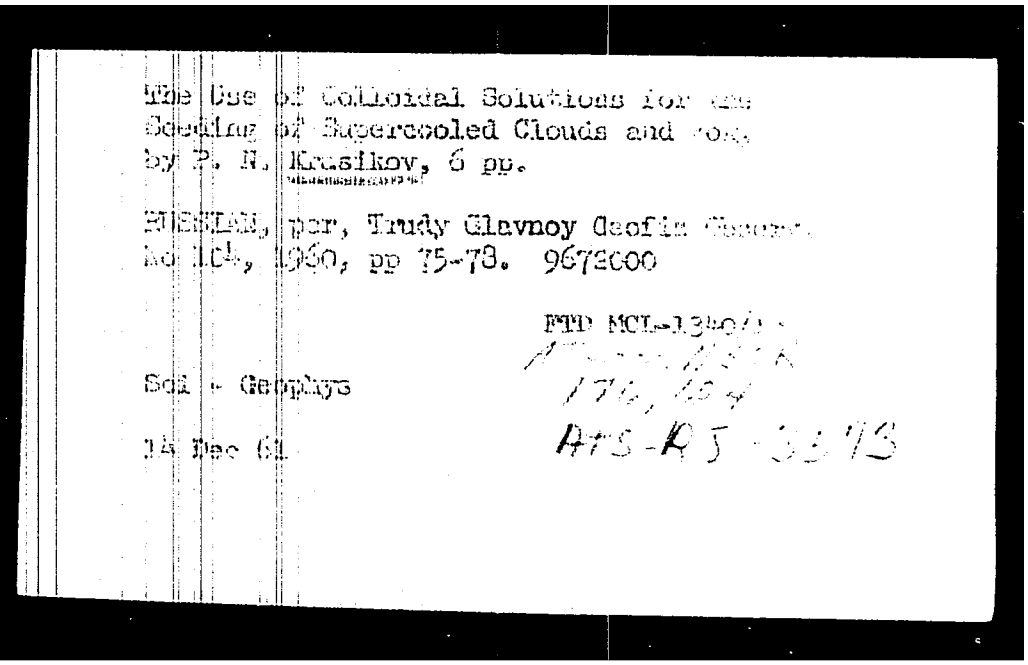

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